

INFANTRY UNGUIDED ANTITANK WEAPONS IDENTIFICATION GUIDE



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**INFANTRY UNGUIDED ANTITANK WEAPONS
IDENTIFICATION GUIDE**

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40-MM ANTITANK GRENADE LAUNCHER, TYPE 69-1
(China)



The Type 69-1 grenade launcher is a handheld, recoilless, muzzle-loaded (reloadable), percussion-fired, 40-mm antitank weapon. The Type 69, a modified copy of the Former Soviet RPG-7, can fire all standard PG-7 ammunition.

RECOGNITION FEATURES:

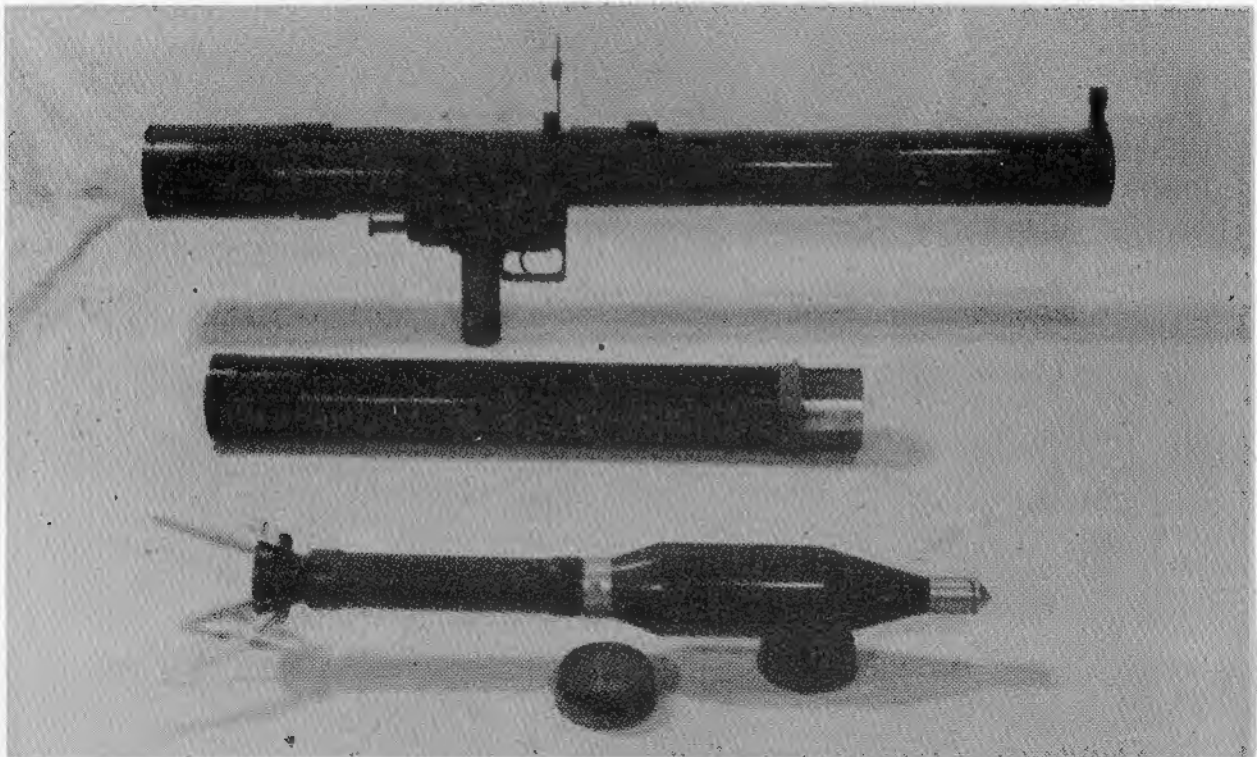
1. Two-piece steel barrel.
2. Orange, ribbed heat shield.
3. Top-mounted carrying handle.
4. Pistol grip trigger assembly and rear handgrip.
5. Conical blast deflector at rear.
6. Bipod.

TECHNICAL DATA:

1. Caliber: 40; 70/85 mm¹
2. Weight: 5.6 kg
3. Length, firing position: 910 mm
4. Length, travel position: 910 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron and optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE
11. Maximum effective range: 300 meters
12. Rate of fire: 6 rd/min
13. Night vision equipment: Yes; Type I, Type II
14. Penetration: 110 mm/65⁰ RHA

¹40-mm launch tube diameter; 70-mm or 85-mm warhead diameter

62-MM ROCKET LAUNCHER, TYPE 70-1
(China)



The Type 70-1 is a lightweight, semidisposable, shoulder-fired 62-mm antitank rocket launcher. The system consists of a reusable front tube, which contains the sights and firing mechanism, and the disposable rear tube, which contains the prepackaged rocket.

RECOGNITION FEATURES:

1. Rear launch tube containing prepackaged rocket.
2. Front launch tube with straight pistol grip trigger assembly.

TECHNICAL DATA:

1. Caliber: 62 mm
2. Weight: unknown
3. Length, firing position: Approx 1000 mm
4. Length, travel position: Approx 640 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 150 meters
12. Rate of fire: unknown
13. Night vision equipment: unknown
14. Penetration: 100-mm/65° RHA

75-MM RECOILLESS RIFLE, TYPE 56
(China)



The Type 56 recoilless rifle is an improved version of the Type 52, which was copied from the US 75-mm recoilless rifle M20 (M20 shown above). It is a single-shot, percussion-fired, breech-loading weapon mounted on a two-wheel tripod mount. In addition to the Chinese ammunition, the Type 56 can also fire the US family of 76-mm recoilless rifle ammunition.

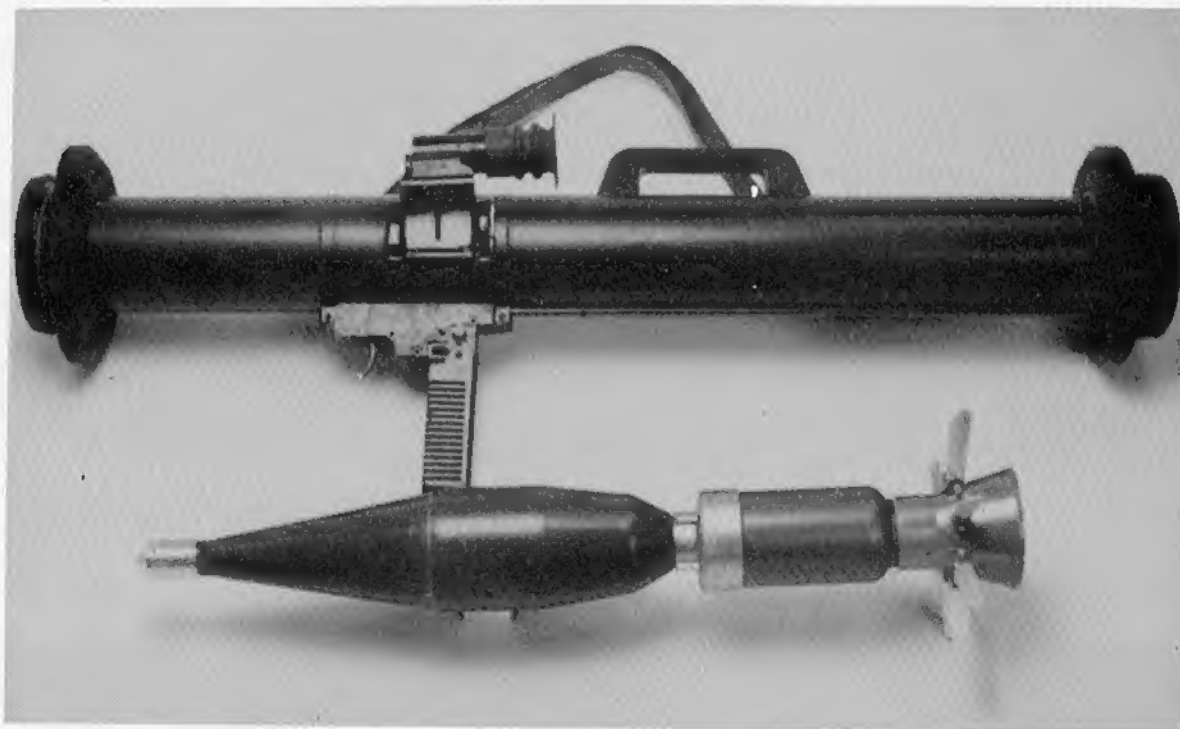
RECOGNITION FEATURES:

1. One-piece steel tube containing an integral expansion chamber and breech ring.
2. Breech end of tube has a knurled band around its circumference.
3. U-shaped guard over the trigger.

TECHNICAL DATA:

1. Caliber: 75 mm
2. Weight: 86.3 kg
3. Length, firing position: 2128 mm
4. Length, travel position: 2128 mm
5. Rifling: Yes
6. Breech mechanism type: interrupted screw
7. Sight type: optical
8. Sight location: left side
9. Carriage type: two-wheel tripod
10. Ammunition type: HEAT, HE
11. Maximum effective range: 640 meters
12. Rate of fire: 10 rd/min
13. Night vision equipment: None
14. Penetration: 230-mm RHA

**80-MM ANTITANK ROCKET LAUNCHER, TYPE PF-89
(China)**



The Type PF-89 is the latest Chinese antitank weapon and the first Chinese-produced system of this type. It is a single-shot, disposable, 80-mm antitank rocket launcher.

RECOGNITION FEATURES:

1. Top carrying handle.
2. Cloth sling.
3. Firing mechanism and straight handgrip located directly below the sight.

TECHNICAL DATA:

1. Caliber: 80 mm
2. Weight: 3.7 kg (loaded)
3. Length, firing position: 900 mm
4. Length, travel position: 900 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: 450-mm RHA

**82-MM RECOILLESS GUN, TYPE 65
(China)**



The Type 65 is a copy of the Former Soviet B-10. It is a smoothbore, breech-loaded, single-shot, 82-mm recoilless gun capable of delivering direct and indirect fire.

RECOGNITION FEATURES:

1. Multiventured breech with enlarged chamber section.
2. Tripod-mounted.
3. Carrying handle on top of tube.
4. Folding elevation mechanism and traverse mechanism.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 28 kg
3. Length, firing position: 1540 mm
4. Length, travel position: 1540 mm
5. Rifling: None
6. Breech mechanism type: interrupted screw
7. Sight type: iron and optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HE, HEAT
11. Maximum effective range: unknown
12. Rate of fire: 5-6 rd/min
13. Night vision equipment: No
14. Penetration: 120-mm/65° RHA

82-MM RECOILLESS GUN, TYPE 65-1
(China)



The Type 65-1 is an improved version of the original Type 65. It is a smoothbore, breech-loaded, single-shot, 82-mm recoilless gun capable of delivering direct and indirect fire. It can be broken into three manportable assemblies, including two tube sections and the folding tripod.

RECOGNITION FEATURES:

1. Multiventured breech with enlarged chamber section.
2. Tripod-mounted.
3. Folding elevation mechanism and traverse mechanism.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 28 kg
3. Length, firing position: 1540 mm
4. Length, travel position: 1540 mm
5. Rifling: None
6. Breech mechanism type: interrupted screw
7. Sight type: iron and optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HE, HEAT
11. Maximum effective range: unknown
12. Rate of fire: 5-6 rd/min
13. Night vision equipment: No
14. Penetration: 120-mm/65° RHA

**82-MM RECOILLESS GUN, TYPE 78
(China)**



The Type 78 is a lightweight, breech-loaded, manportable, 82-mm recoilless gun designed to fire a RAP. The weapon can be fired from a lightweight tripod or shoulder fired by the gunner.

RECOGNITION FEATURES:

1. Carrying handle on top of tube.
2. Pistol grip trigger assembly.
3. Hinged conical blast deflector at rear.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 33.0 kg
3. Length, firing position: 1445 mm
4. Length, travel position: 1445 mm
5. Rifling: None
6. Breech mechanism type: hinged
7. Sight type: iron and optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE-Frag
11. Maximum effective range: 500 meters (HEAT)
2000 meters (HE-Frag)
12. Rate of fire: 5-6 rd/min
13. Night vision equipment: No
14. Penetration: 150-mm/65° RHA (HEAT)

105-MM RECOILLESS RIFLE, TYPE 75
(China)



The Type 75 is similar to the US 106-mm recoilless rifle M40A1. It is a single-shot, breech-loading 105-mm recoilless rifle capable of firing from either a vehicle or the ground. It is fitted with a Simple Fire-Control System which automatically computes load angle and elevation selections based on target range and angular velocity.

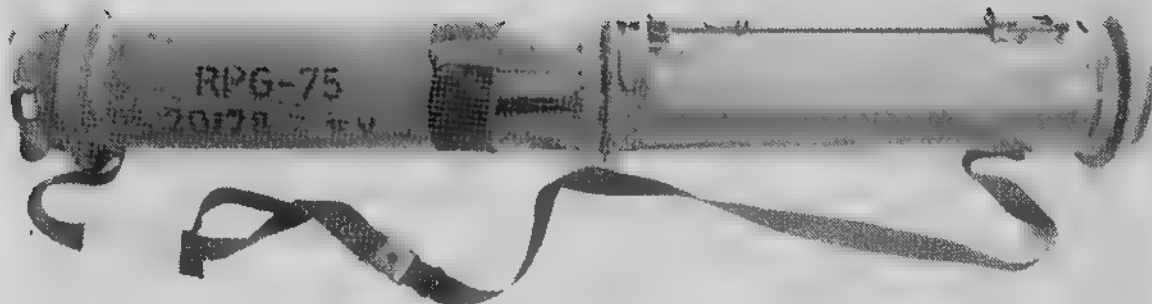
RECOGNITION FEATURES:

1. One-piece steel tube containing an integral expansion chamber and breech ring.
2. Fitted with a Simple Fire-Control System.

TECHNICAL DATA:

1. Caliber: 105 mm
2. Weight: 213 kg
3. Length, firing position: 3409 mm
4. Length, travel position: 3409 mm
5. Rifling: Yes
6. Breech mechanism type: hinged
7. Sight type: optical, 2.3X
8. Sight location: left side
9. Carriage type: tripod or vehicle mounted
10. Ammunition type: HEAT, HE-Frag
11. Maximum effective range: 1100 meters
12. Rate of fire: 5-6 rd/min
13. Night vision equipment: Yes
14. Penetration: 150-mm/65° RHA

**68-MM ROCKET LAUNCHER, RPG-75
(Czechoslovakia)**



The RPG-75 is a shoulder-fired, disposable, telescopic, 68-mm rocket launcher weapon similar to the US M72 LAW and the Former Soviet RPG-18. Like the LAW and RPG-18, the Czechoslovak weapon must be extended for firing.

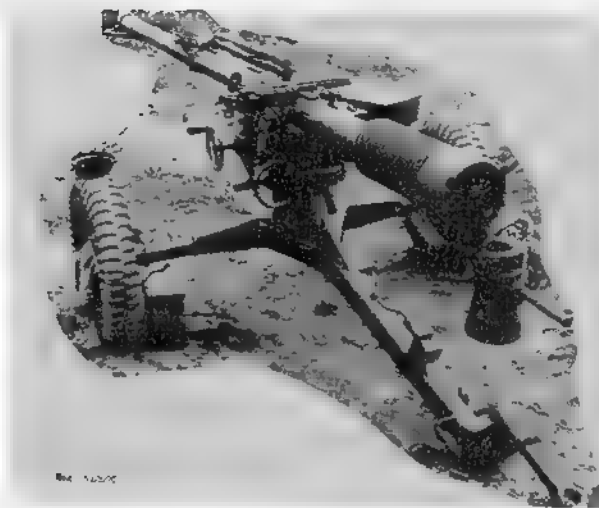
RECOGNITION FEATURES:

1. Two-piece, telescoping aluminum tube.
2. Conical venturi at rear of launch tube.
3. Firing instruction decal on tube.

TECHNICAL DATA:

1. Caliber: 68 mm
2. Weight: 3.25 kg (loaded)
3. Length, firing position: 890 mm
4. Length, travel position: 630 mm
5. Rifling: None
6. Breech Mechanism type: NA
7. Sight type: iron
8. Sight location: top of tube
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 200 m (moving); 300 m (stationary)
12. Rate of fire: NA (disposable)
13. Night vision equipment: None
14. Penetration: 300-mm RHA

**82-MM RECOILLESS GUN, M59A
(Czechoslovakia)**



The M59A recoilless gun is an improved version of the M59. The M59A is a manually operated, single-shot, breech-loading 82-mm weapon. The M59A is normally towed by light vehicles, but it can be mounted on an OT62 APC or manhandled by two men for short distances. It is the only former Warsaw Pact country recoilless gun known to use a spotting rifle.

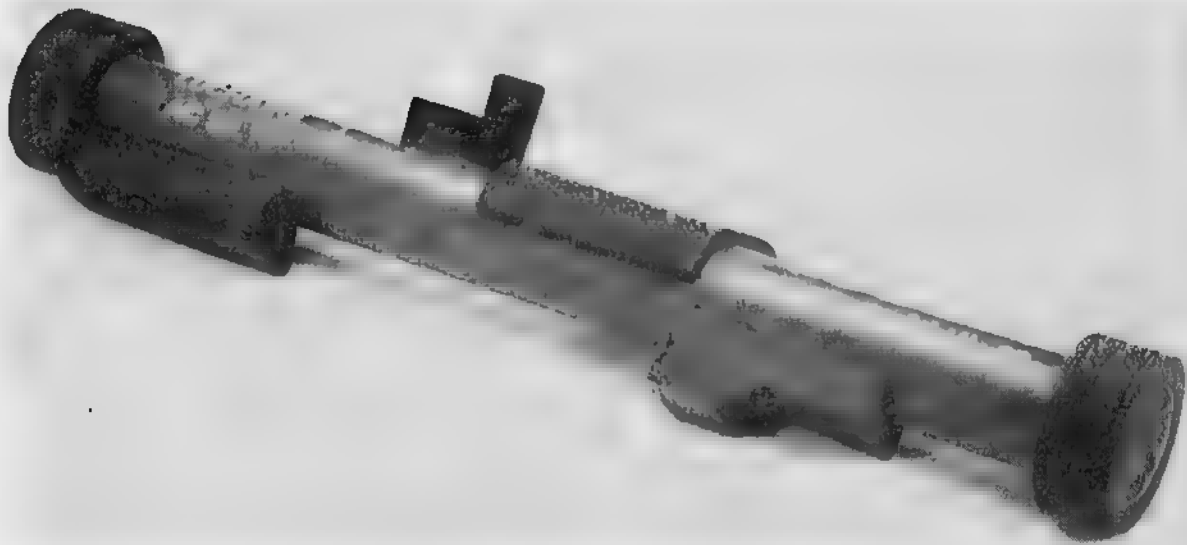
RECOGNITION FEATURES:

1. Long barrel.
2. Triangle-shaped manual towing handles on muzzle brake.
3. 12.7-mm spotting rifle on left side of barrel.
3. Two-wheel mount.
4. Long telescopic sight on upper right of barrel.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 386 kg
3. Length, firing position: 4300 mm
4. Length, travel position: Approx 4500 mm
5. Rifling: None
6. Breech mechanism type: interrupted screw
7. Sight type: optical and iron
8. Sight location: optical - upper right of barrel;
iron - upper left of barrel
9. Carriage type: 2-wheel axle, single trail
10. Ammunition type: HE, HEAT
11. Maximum effective range: 755 meters (HEAT)
12. Rate of fire: 6 rd/min
13. Night vision equipment: unknown
14. Penetration: 250-mm RHA

58-MM ANTITANK ROCKET LAUNCHER, WASP 58
(France)



The Wasp 58 is a one-man, lightweight, preloaded, disposable, 58-mm antitank rocket launcher that can be fired from a closed space. It was designed for the direct attack of light armored vehicles at short range (250 meters).

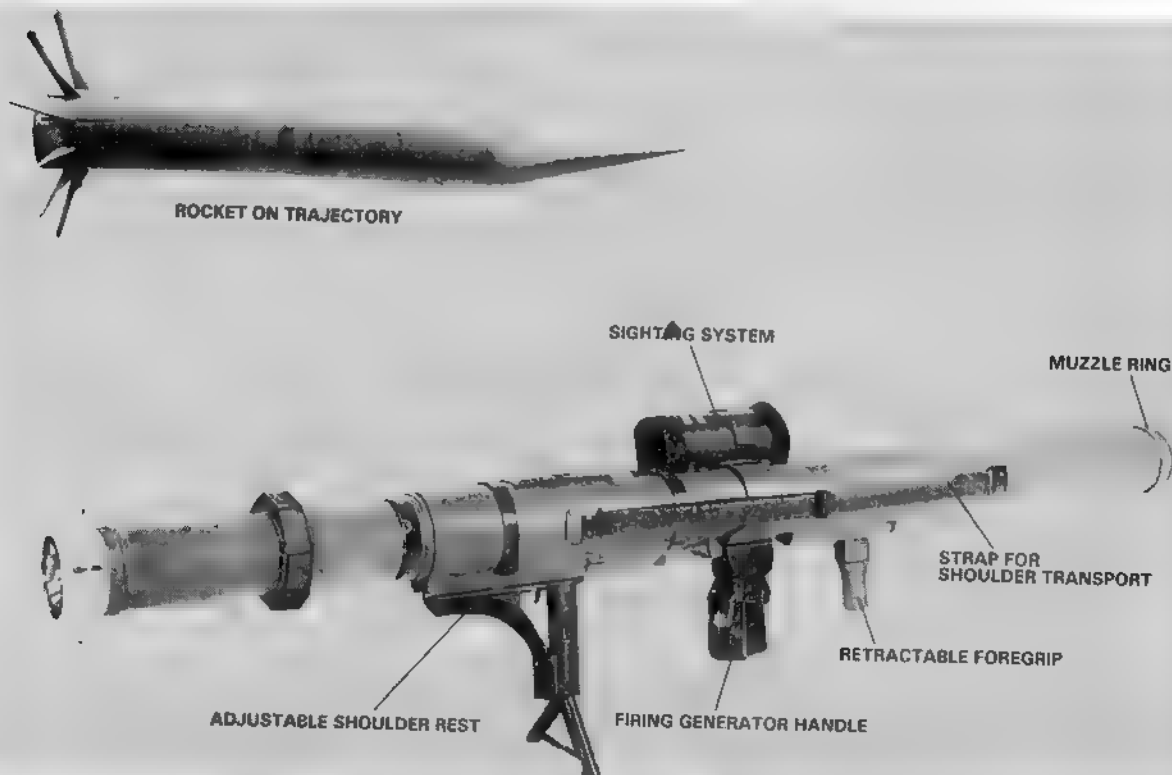
RECOGNITION FEATURES:

1. LUCHAIRE AC 58.70 marked on the tube.
2. One-piece glass fiber tube.
3. Prepackaged rocket.

TECHNICAL DATA:

1. Caliber: 58 mm
2. Weight: 3 kg (loaded)
3. Length, firing position: 800 mm
4. Length, travel position: 800 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 250 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: 320-mm

**89-MM ANTITANK ROCKET LAUNCHER, MODEL F-1 STRIM
(France)**



The Model F-1 STRIM is a shoulder-fired, 89-mm light infantry antitank rocket launcher. It is the standard light antitank weapon in the French Army.

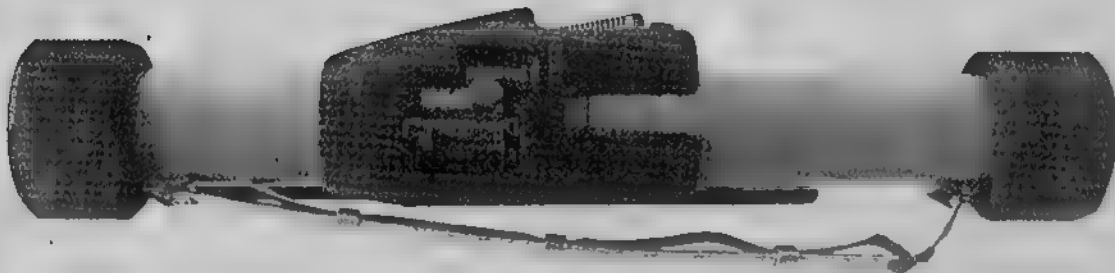
RECOGNITION FEATURES:

1. Firing mechanism is a trigger-actuated magneto type.
2. Adjustable shoulder rest.
3. Retractable foregrip.

TECHNICAL DATA:

1. Caliber: 89 mm
2. Weight: 8.7 kg (loaded)
3. Length, firing position: 1600 mm
4. Length, travel position: 1168 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical, APX M309, 3X
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE, smoke, illumination
11. Maximum effective range: 400-800 meters
12. Rate of fire: 8 rd/min
13. Night vision equipment: Yes; OB-25
14. Penetration: >400-mm RHA

**92-MM ANTITANK ROCKET LAUNCHER, AB-92
(France)**



The AB-92 is a single-shot, disposable, 92-mm antitank rocket launcher designed to be used even by a soldier with very little training.

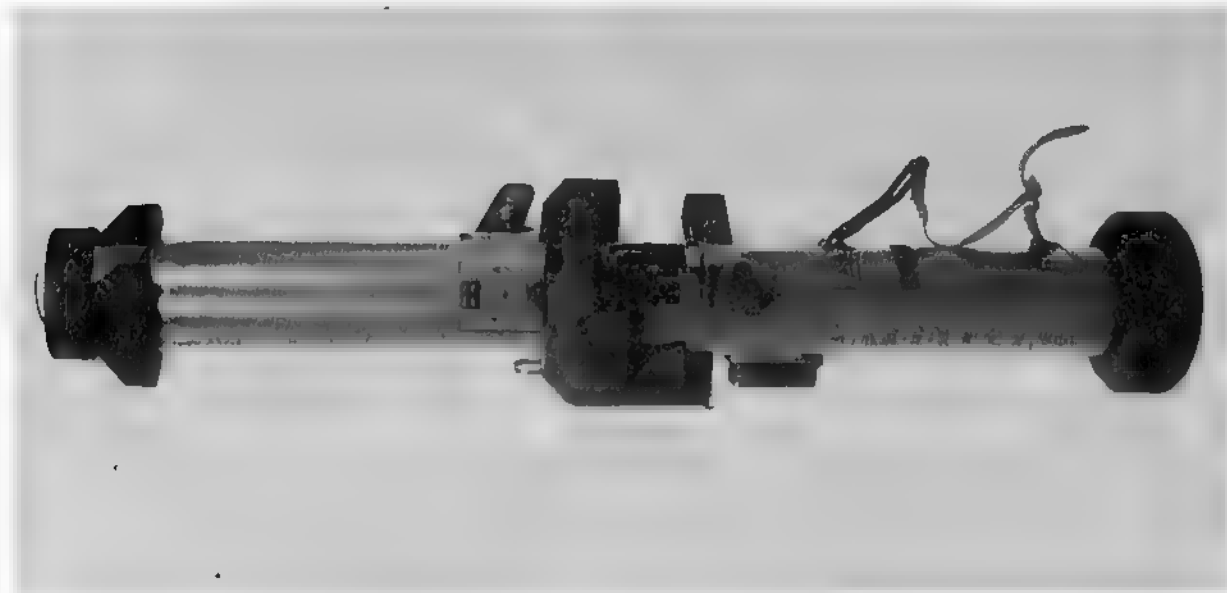
RECOGNITION FEATURES:

1. Carrying sling attached.
2. Rocket is supplied prepacked in the launch tube.
3. The tube and storage and transportation container have foam-rubber shock-absorbing rings at each end and in the middle around the sight.

TECHNICAL DATA:

1. Caliber: 92 mm
2. Weight: 7 kg (loaded)
3. Length, firing position: 1000 mm
4. Length, travel position: 1000 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: Yes
14. Penetration: <520-mm RHA

112-MM ANTITANK ROCKET LAUNCHER, APILAS
(France)



The APILAS is a preloaded, disposable, 112-mm antitank rocket launcher. The large caliber overhead is effective against heavy armor targets.

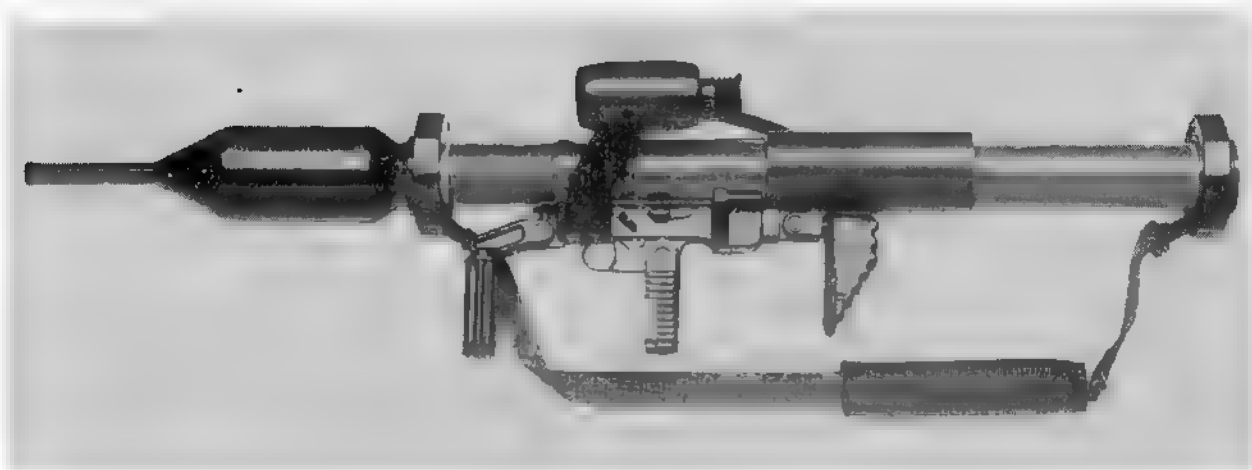
RECOGNITION FEATURES:

1. Prepackaged rocket.
2. Retractable sight.
3. Separate box containing two lithium batteries is clipped to the launcher.
4. The tube and storage and transportation container have foam-rubber shock-absorbing rings at each end and in the middle around the sight.

TECHNICAL DATA:

1. Caliber: 112 mm
2. Weight: 9 kg (loaded)
3. Length, firing position: 1250 mm
4. Length, travel position: 1250 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical, 3X
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 330 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: Yes (nonexpendable)
14. Penetration: 720-mm RHA

**60-MM ANTITANK GRENADE LAUNCHER (BALLISTE), PANZERFAUST 3
(Germany)**



The Panzerfaust 3 is a compact, lightweight, shoulder-fired, 60-mm unguided weapon system providing effective engagement capabilities against current and future main battle tanks. The Pzf 3 consists of a disposable cartridge with a 110-mm warhead and a reusable firing and sighting device.

RECOGNITION FEATURES:

1. Retractable pistol grip covers trigger assembly.
2. Retractable front handgrip and shoulder rest.
3. Carrying sling attached.
4. Target marker fixed to the firing device for firing with night vision goggles.
5. Autonomous firing mounts and aiming devices.

TECHNICAL DATA:

1. Caliber: 60/110 mm¹
2. Weight: 12 kg
3. Length, firing position: 1200 mm
4. Length, travel position: 1200 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, multipurpose Frag, illumination, smoke, and practice
11. Maximum effective range: 300 m (moving); 500 m (stationary)
12. Rate of fire: 5 rd/min
13. Night vision equipment: Yes, telescopic in conjunction with infrared goggles
14. Penetration: >700-mm RHA

¹60-mm launch tube diameter; 110-mm warhead diameter



The Armbrust antitank system is a uniquely engineered manportable, shoulder-fired, disposable weapon which has low signature and low IR detectability and can be safely fired from small enclosed rooms. The entire weapon is considered a round of ammunition, and the launcher is thrown away once the weapon is fired.

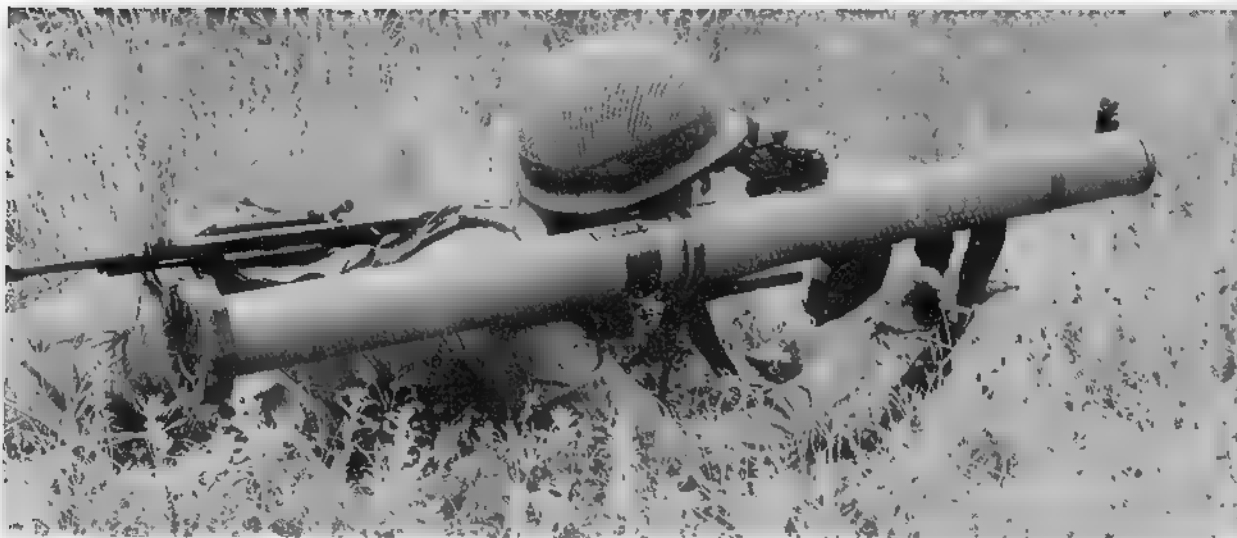
RECOGNITION:

1. Forward end of tube has a perforated threaded ring.
2. Protective cap on rear end of tube.
3. High-strength steel alloy straight-launch tube.
4. Attached to tube are carrying handle, a shoulder stock, pistol grip trigger assembly with safety device, folding reflex sight system, cheek rest, and carrying strap.

TECHNICAL DATA:

1. Caliber: 67 mm
2. Weight: 6.3 kg
3. Length, firing position: 850 mm
4. Length, travel position: 850 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: reflex
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: 300-mm RHA

**82-MM ANTITANK WEAPON SYSTEM, B-300
(Israel)**



The B-300 is a manportable, shoulder-fired, semidisposable anti-armor system similar in design to the French 89-mm rocket launcher F-1, STRIM. It breaks down into two major sections: the launcher, with a variety of sight options, which is reusable; and a projectile in a sealed container that is disposed of after firing.

RECOGNITION FEATURES:

1. Folding bipod.
2. Retractable shoulder rest.
3. Front hand grip and a trigger grip containing firing mechanism on bottom of launcher.
3. Broad sling.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 6.5 kg (loaded)
3. Length, firing position: 1400 mm (loaded)
4. Length, travel position: 775 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron/optical
8. Sight location: iron - top of launcher
optical - left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 400 meters
12. Rate of fire: 4-6 (est)
13. Night vision equipment: Yes, Starlight
14. Penetration: 400-mm RHA

80-MM RECOILLESS GUN, FOLGORE
(Italy)



The Folgore is a lightweight, reloadable, manportable, 80-mm recoilless weapon which fires a rocket-assisted projectile (RAP). The weapon is available in three versions: a shoulder-fired system, a tripod version, and a rotating-cupola version for mounting on armored vehicles.

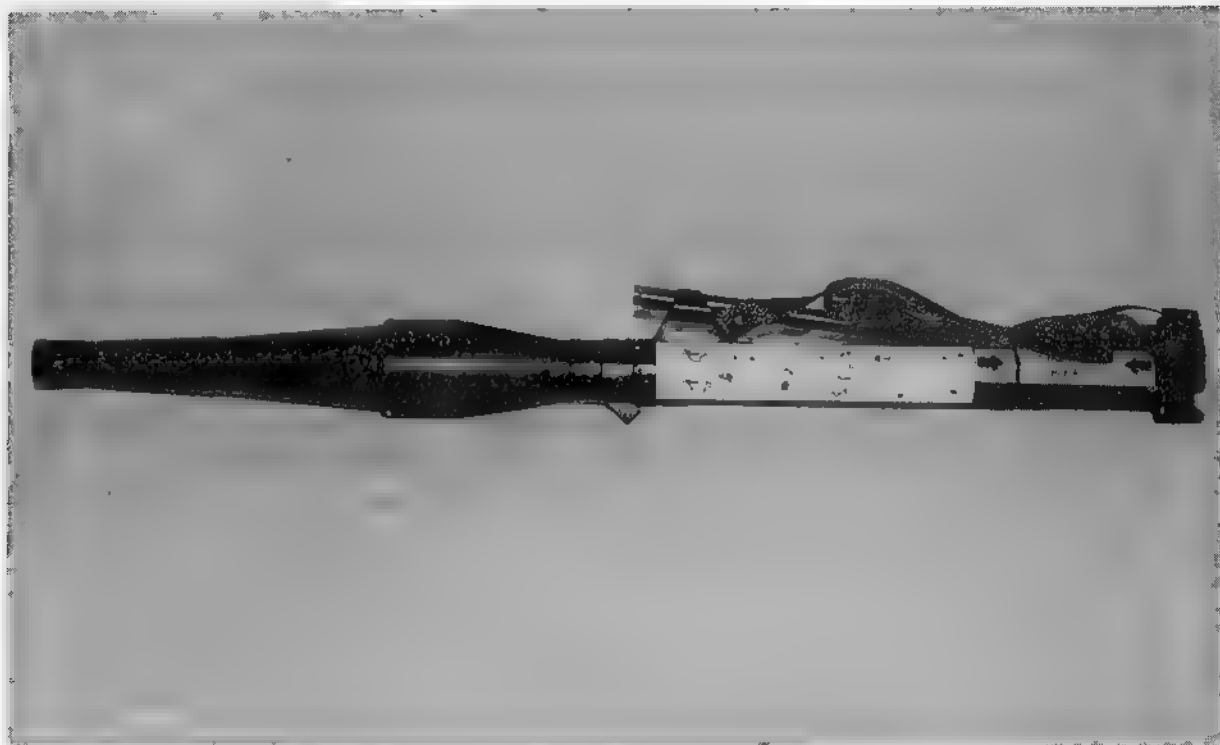
RECOGNITION FEATURES:

1. Percussion-fired.
2. Adjustable monopod or tripod mount.
3. Muzzle guard.

TECHNICAL DATA:

1. Caliber: 80 mm
2. Weight: 27 kg (tripod w/optronic sight)
3. Length, firing position: 1850 mm
4. Length, travel position: 1850 mm
5. Rifling: none
6. Breech mechanism type: hinged
7. Sight type: fixed-focus simple optical sight
tripod version - combination rangefinder sight
8. Sight location: left side
9. Carriage type: monopod, tripod, or vehicle mounted
10. Ammunition type: HEAT
11. Maximum effective range: 500 meters (shoulder-fired)
1000 meters (tripod version)
12. Rate of fire: 4-6 rd/min
13. Night vision equipment: unknown
14. Penetration: 400-mm RHA

**70-MM ANTITANK GRENADE LAUNCHER, MODEL RPG 76/76M
(Poland)**



The RPG-76 is a disposable, single-shot, shoulder-fired, 70-mm antitank grenade launcher. The design of the RPG-76 differs greatly from that of other weapons of this type.

RECOGNITION FEATURES:

1. Out-of-bore warhead.
2. Tubular folding stock.
3. Instruction decal on tube.

TECHNICAL DATA:

1. Caliber: 70 mm
2. Weight: 1.77 kg
3. Length, firing position: 1200 mm
4. Length, travel position: 810 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 250 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: 350-mm RHA

90-MM ROCKET LAUNCHER, C-90-C
(Spain)



The C-90-C is a lightweight, disposable, 90-mm antitank rocket launcher. It is loaded and ready to fire when packed at the factory.

RECOGNITION FEATURES:

1. Protective end caps.
2. Prepacked rocket.
3. Fixed length, nontelelescoping launch tube.
4. Webbed shoulder sling attached to the launch tube.

TECHNICAL DATA:

1. Caliber: 90 mm
2. Weight: 3.9 kg
3. Length, firing position: 840 mm
4. Length, travel position: 840 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 200 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: Yes
14. Penetration: 400-mm RHA

**84-MM RECOILLESS RIFLE, CARL GUSTAF
(Sweden)**



The 84-mm Carl Gustaf recoilless rifle is a direct-fire, single-shot, breech-loading weapon. Several versions of the Carl Gustaf are produced outside Sweden; however, the ammunition is interchangeable among the variants.

RECOGNITION FEATURES:

1. Hinged conical blast deflector at rear.
2. Carrying handle on top of tube (M3 model).
3. Bipod attached in the center of the tube (M2 + M3 models).
4. Two handgrips attached to the bottom of the tube.

TECHNICAL DATA:

1. Caliber: 84 mm
2. Weight: 8.0-14.9 kg
3. Length, firing position: 1065 mm
4. Length, travel position: 1065 mm
5. Rifling: 24 lands/progressive twist
6. Breech mechanism type: hinged
7. Sight type: iron/telescope, 3X
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE
11. Maximum effective range: 500 meters
12. Rate of fire: 6 rd/min
13. Night vision equipment: yes, infrared sight
14. Penetration: 500-mm RHA

84-MM ANTITANK WEAPON, AT-4
(Sweden)



The AT-4 is a lightweight, disposable 84-mm recoilless antiarmor weapon, intended for firing one round, after which the barrel is discarded. The AT-4 LMAW variant uses a slightly modified 84-mm HEDP round from the Carl Gustav system.

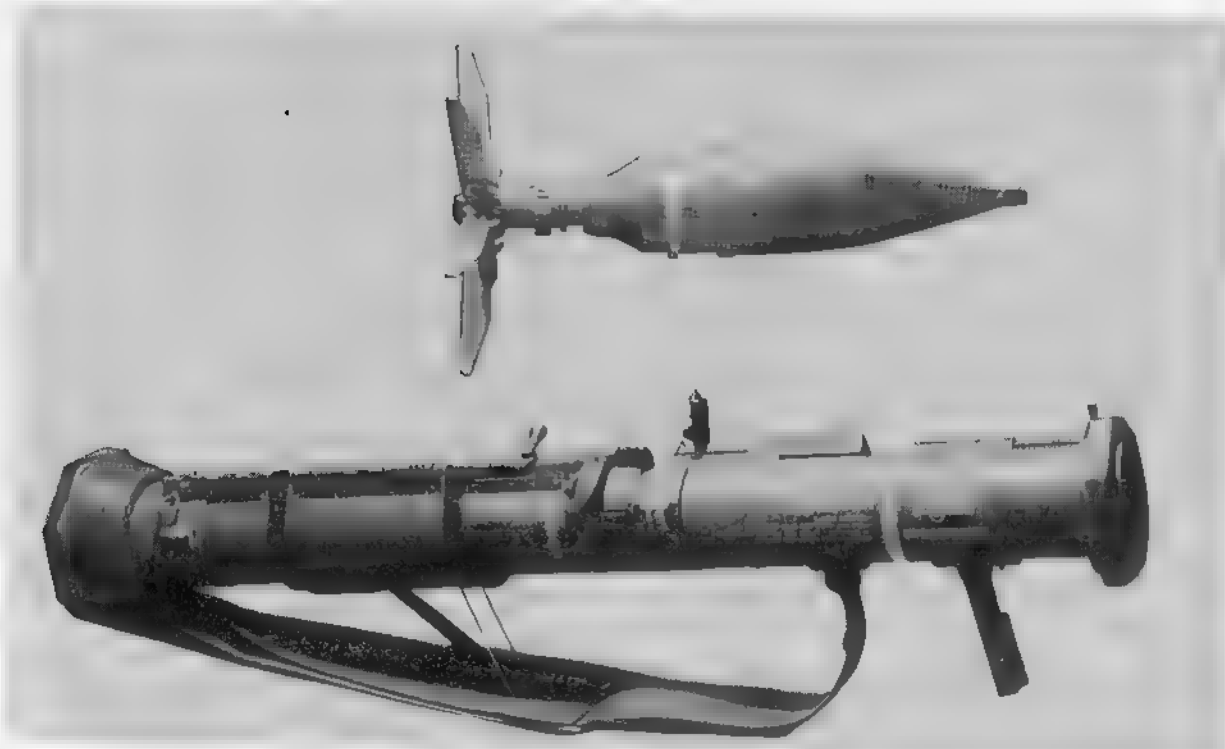
RECOGNITION FEATURES:

1. Firing and handling decals on barrel.
2. Prepackaged rocket.
3. Glass-fiber-reinforced plastic barrel fitted with an aluminum venturi to the rear.
4. Firing mechanism on top of the barrel.
5. Fore and rear sights protected by sliding covers.
6. Shoulder pad and carrying sling.

TECHNICAL DATA:

1. Caliber: 84 mm
2. Weight: 6 kg
3. Length, firing position: 1000 mm
4. Length, travel position: 1000 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: popup
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT, HEDP
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: >400-mm RHA

**120-MM ANTITANK ROCKET LAUNCHER, AT-12-T
(Sweden)**



The AT-12-T is a 120-mm disposable antitank rocket launcher similar in design to the AT-4 (AT-4 shown). The AT-12-T uses a tandem warhead designed to defeat modern explosive reactive armor.

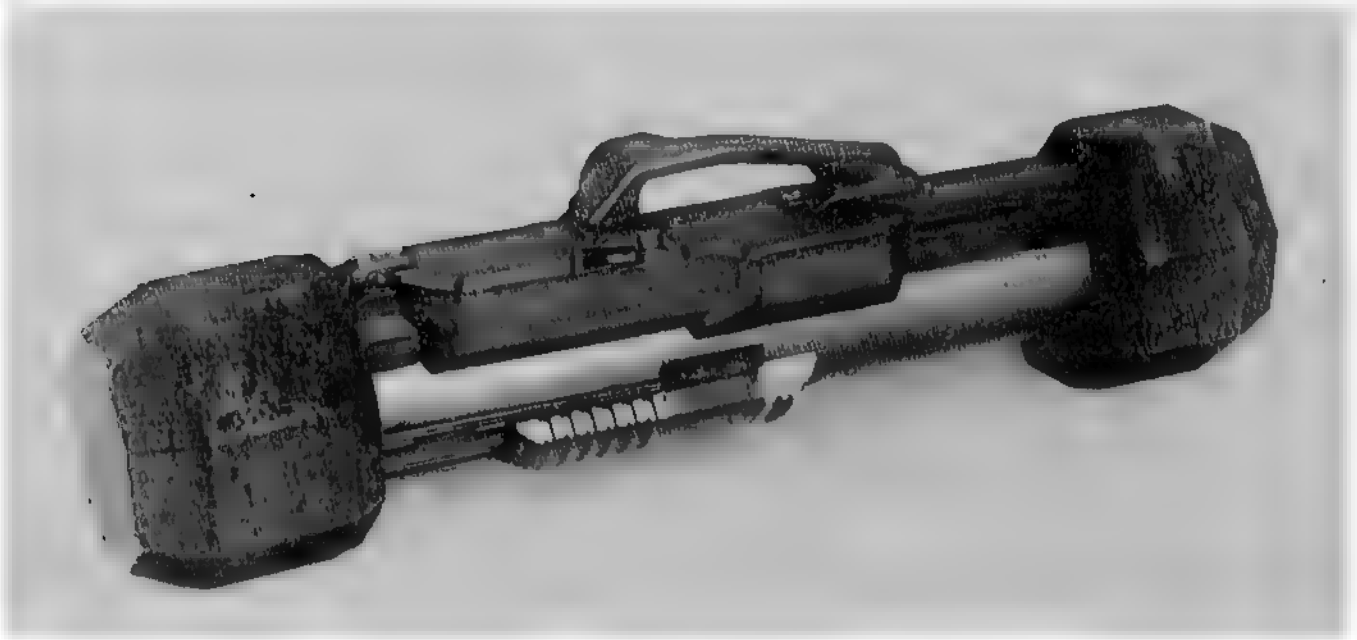
RECOGNITION FEATURES:

1. Front mono-pod.
2. Glass-fiber-reinforced plastic barrel and foam end caps.
3. Firing mechanism on top of the barrel (similar to the AT-4).
4. Shoulder pad, carrying sling, and webbed carrying handle.

TECHNICAL DATA:

1. Caliber: 120 mm
2. Weight: 14 kg (launcher and round)
3. Length, firing position: 1200 mm
4. Length, travel position: 1200 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: popup
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: None
14. Penetration: 900-mm RHA

94-MM ANTITANK ROCKET LAUNCHER, LAW 80
(United Kingdom)



The LAW 80 is is a lightweight, telescopic, preloaded, fully disposable, 94-mm antitank rocket launcher. An unique feature of the LAW 80 is the integral 9-mm spotting rifle attached to the main launch tube. This feature allows the gunner to acquire the target prior to firing the main round.

RECOGNITION FEATURES:

1. Protective shock-absorbent end caps.
2. Spotting rifle with five preloaded 9-mm rounds.
3. Forward-sliding cover allows the sight to flip up.
4. Carrying handle and shoulder sling.

TECHNICAL DATA:

1. Caliber: 94 mm
2. Weight: 9 kg
3. Length, firing position: 1500 mm
4. Length, travel position: 1000 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: reflex
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 300 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: Yes, low-light reticle illumination
14. Penetration: 650-mm RHA

**40-MM ANTITANK GRENADE LAUNCHER, MODEL RPG-2
(Former Soviet)**



The RPG-2 is a smoothbore, muzzle-loading, 40-mm recoilless shoulder weapon capable of firing both antitank and antipersonnel ammunition. The launcher is equipped with folding iron sights graduated for ranges of 50, 100, and 150 meters. An infrared sight is available for night firing.

RECOGNITION FEATURES:

1. Steel barrel open at both ends.
2. Could have aluminum blast deflector at the rear.
3. Two-piece plywood heat shield at midsection.
4. Pistol grip trigger assembly.
5. Muzzle load.

TECHNICAL DATA:

1. Caliber: 40/80 mm¹
2. Weight: 2.86 kg
3. Length, firing position: 950 mm
4. Length, travel position: 950 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: front fixed post; rear folding leaf
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 100 meters
12. Rate of fire: 4-6 rd/min
13. Night vision equipment: Yes, model unknown
14. Penetration: 175-mm RHA

¹40-mm launch tube diameter/80-mm warhead diameter

40-MM ANTITANK GRENADE LAUNCHER, MODEL RPG-7V
(Former Soviet)



J-INT.001902

The RPG-7V is a reusable, recoilless, shoulder-fired, muzzle-loaded, percussion-fired 40-mm antitank weapon. It has a smooth chromium-plated bore and enlarged expansion chamber in the center.

RECOGNITION FEATURES:

1. Two-piece steel barrel open at both ends.
2. Plywood heat shield on rear half of barrel.
3. Conical blast deflector at the rear.
4. Pistol grip trigger assembly and rear handgrip.
5. Diamond-shaped warhead.

TECHNICAL DATA:

1. Caliber: 40/85 mm¹
2. Weight: 7.9 kg
3. Length, firing position: 953 mm
4. Length, travel position: 953 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron and optical
8. Sight location: iron - top of launcher
optical/night - left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 300 m (moving); 500 m (stationary)
12. Rate of fire: 6 rd/min
13. Night vision equipment: Yes; NSPU, PGN-1
14. Penetration: 330-mm RHA

¹40-mm launch tube diameter; 85-mm warhead diameter



The RPG-16D is a recoilless, muzzle-loaded, single-shot, 58.3-mm antitank grenade launcher similar in appearance to the RPG-7 grenade launcher.

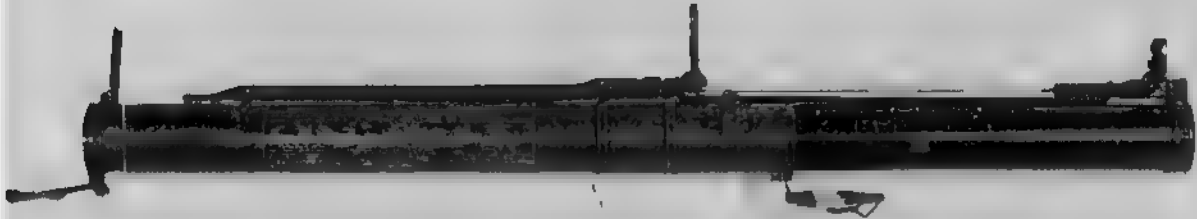
RECOGNITION FEATURES:

1. Conical blast shield on rear of tube.
2. Bipod mount on front of tube.
5. Single handle below tube.

TECHNICAL DATA:

1. Caliber: 58.3 mm
2. Weight: 10.3 kg
3. Length, firing position: 1100 mm
4. Length, travel position: 1100 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron and optical
8. Sight location: top - iron; right side - optical
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 500 meters
12. Rate of fire: unknown
13. Night vision equipment: IR night sight available
14. Penetration: 375-mm RHA

64-MM ANTITANK ROCKET LAUNCHER, RPG-18
(Former Soviet)



The RPG-18 is a single-shot, disposable, shoulder-fired, 64-mm antitank rocket launcher similar to the US 66-mm Light Antitank Weapon (LAW) M72. It has a fiber-reinforced-plastic outer tube with an aluminum inner tube that telescopes out for firing.

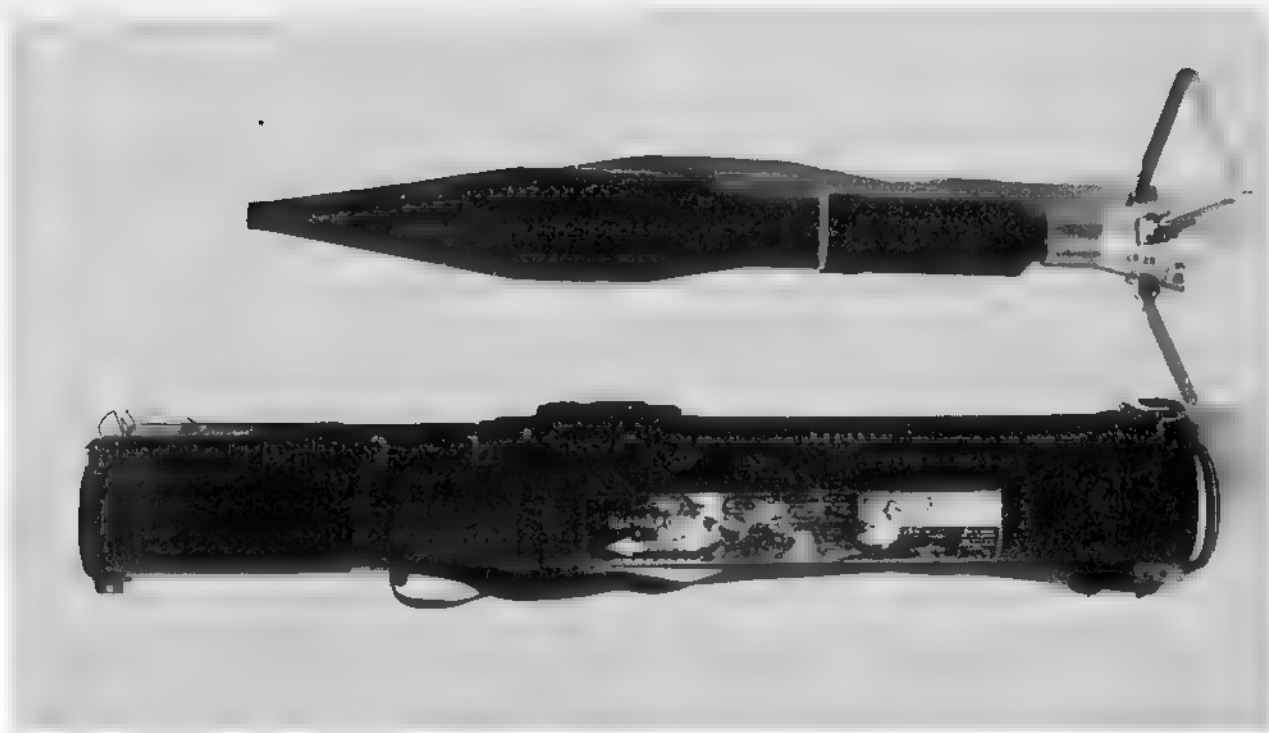
RECOGNITION FEATURES:

1. Collapsible, disposable launcher.
2. Open sights.
3. Percussion fired.
4. Firing instruction decal on launch tube.

TECHNICAL DATA:

1. Caliber: 64 mm
2. Weight: 2.7 kg (loaded)
3. Length, firing position: 710 mm
4. Length, travel position: 1050 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: folding leaf
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 200 meters
12. Rate of fire: NA (disposable weapon)
13. Night vision equipment: None
14. Penetration: 360-mm RHA

**72-MM ANTITANK ROCKET LAUNCHER, RPG-22
(Former Soviet)**



The RPG-22 is a scaled-up version of the RPG-18. The weapon is a shoulder-fired, disposable, 72-mm antitank rocket launcher.

RECOGNITION FEATURES:

1. Launch tube is painted olive drab and black, with black markings and an instruction decal on one side.
2. Webbed shoulder sling attached to the tube.
3. Black plastic extension on forward end of tube.

TECHNICAL DATA:

1. Caliber: 72 mm
2. Weight: Approx 3.0 kg (loaded)
3. Length, firing position: Approx 850 mm
4. Length, travel position: Approx 750 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 250 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: None
14. Penetration: Approx 390-RHA



The 73-mm recoilless gun, SPG-9, is a smoothbore, single-shot antitank weapon that fires both antiarmor and antipersonnel ammunition. Several generations of night vision equipment are available for the SPG-9.

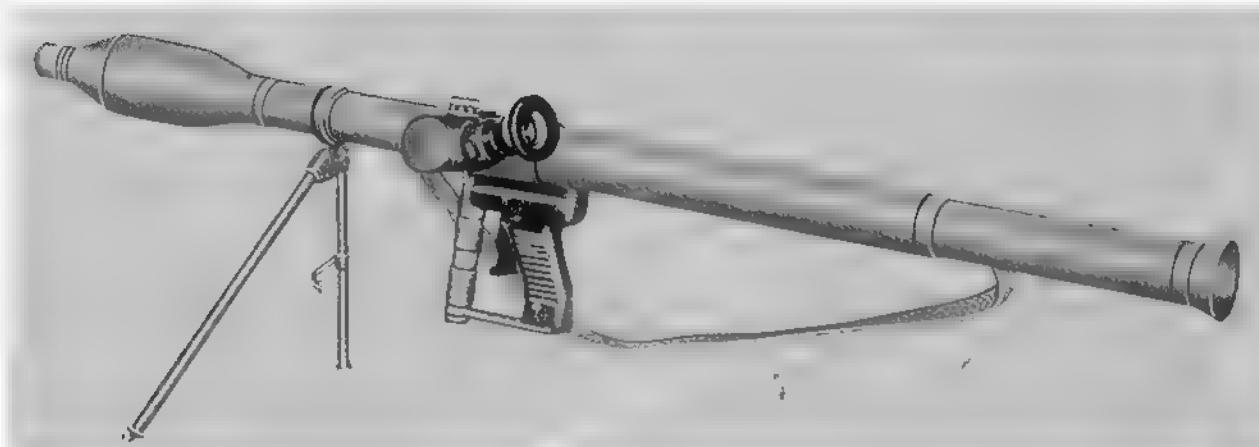
RECOGNITION FEATURES:

1. Towing handle at muzzle.
2. Airborne version has detachable wheels.
3. Heat shield at rear.
4. Conical blast deflector at rear.
5. Distinctive rocket-assist motor.

TECHNICAL DATA:

1. Caliber: 73 mm
2. Weight: 47.5 kg
3. Length, firing position: 2110 mm
4. Length, travel position: 2110 mm
5. Rifling: None
6. Breech mechanism type: interrupted screw
7. Sight type: optical and iron
8. Sight location: left side
9. Carriage type: tripod
10. Ammunition type: HEAT, HE
11. Maximum effective range: 1000 m (HEAT), 1300 m (HE)
12. Rate of fire: 6 rd/min
13. Night vision equipment: Yes; PGN-9
14. Penetration: >400-mm RHA

**44-MM ANTITANK GRENADE LAUNCHER, M57
(Yugoslavia)**



The M57 grenade launcher is a handheld, recoilless, smoothbore, muzzle-loaded (reloadable), percussion-fired, 44-mm antitank weapon. Only one type of service grenade is used with the M57 launcher, the fin-stabilized Model 57 HEAT round. A steel strip formed to fit the shoulder is welded to the bottom of launchers of recent manufacture to provide better aiming stability.

RECOGNITION FEATURES:

1. Steel cylinder open at both ends.
2. Two notches cut in the muzzle face.
3. Breech end of barrel flared.
4. Bipod attached to launcher barrel.
5. Resembles Soviet RPG-2/RPG-7.

TECHNICAL DATA:

1. Caliber: 44/90 mm¹
2. Weight: 8.2 kg
3. Length, firing position: 960 mm
4. Length, travel position: 960 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron or optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 200 meters
12. Rate of fire: 5 rd/min
13. Night vision equipment: None
14. Penetration: 320-mm RHA

¹44-mm launch tube diameter; 90-mm warhead diameter



The Yugoslav M80 44-mm antitank grenade launcher is a smoothbore, muzzle-loaded, recoilless shoulder weapon similar in design and function to the M57.

RECOGNITION FEATURES:

1. Barrel is open at both ends.
2. Breech end of barrel is flared.
3. Shoulder rest, front handgrip, and pistol grip on bottom of barrel.
4. Resembles Soviet RPG-2/RPG-7

TECHNICAL DATA:

1. Caliber: 44/85 mm¹
2. Weight: 6.6 kg
3. Length, firing position: 1040 mm
4. Length, travel position: 1040 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron and optical, ON-M80
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 400 meters
12. Rate of fire: 5 rd/min
13. Night vision equipment: Yes
14. Penetration: 400-mm RHA

¹44-mm launch tube diameter; 85-mm warhead diameter

**64-MM ROCKET LAUNCHER, RBR M-80
(Yugoslavia)**



The RBR M-80 is a single-shot, disposable, 64-mm antitank rocket launcher. In overall appearance, it is very similar to the US Light Antitank Weapon (LAW) M72A1.

RECOGNITION FEATURES:

1. Telescoping launch tube.
2. Firing instruction decal on launch tube.
3. Prepacked rocket.

TECHNICAL DATA:

1. Caliber: 64 mm
2. Weight: 3 kg
3. Length, firing position: 1200 mm
4. Length, travel position: 860 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: iron
8. Sight location: top of tube
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 250 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: No
14. Penetration: 300-mm RHA

**82-MM RECOILLESS GUNS, M60 AND M60A
(Yugoslavia)**



The M60 is a manually operated, single-shot smoothbore, breech-loaded 82-mm recoilless gun mounted on a two-wheeled carriage. It can be towed behind a jeep-like vehicle or dragged into position by hand.

RECOGNITION FEATURES:

1. One-piece steel tube.
2. Handle on cone-shaped venturi.
3. Trigger located in traversing handle.
4. Muzzle collar screws to tube to hold towing handles and front iron sights.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 120 kg
3. Length, firing position: approx 2400 mm
4. Length, travel position: unknown
5. Rifling: None
6. Breech mechanism type: interrupted screw
7. Sight type: iron and optical
8. Sight location: left side
9. Carriage type: two-wheeled tripod
10. Ammunition type: HEAT
11. Maximum effective range: 1000 m (moving); 1500 m (stationary)
12. Rate of fire: 4 rd/min
13. Night vision equipment: unknown
14. Penetration: 220-mm RHA

**82-MM RECOILLESS GUN, M79
(Yugoslavia)**



The 82-mm recoilless gun, M79, is a lightweight, manportable, breech-loaded antitank weapon. Served by a two-man crew, the M79 can be fired from the shoulder or a tripod.

RECOGNITION FEATURES:

1. Tripod with elevating and traversing mechanism.
2. Single venturi at rear of breechblock.
3. Carrying handle on top of tube.

TECHNICAL DATA:

1. Caliber: 82 mm
2. Weight: 27.5 kg w/tripod
3. Length, firing position: 1785 mm
4. Length, travel position: 1785 mm
5. Rifling: Yes
6. Breech mechanism type: hinged
7. Sight type: optical
8. Sight location: left side
9. Carriage type: NA
10. Ammunition type: HEAT, HE-Frag
11. Maximum effective range: 670 meters
12. Rate of fire: Unknown
13. Night vision equipment: unknown
14. Penetration: 350-mm RHA (HEAT)

90-MM ROCKET LAUNCHER, RBR M79
(Yugoslavia)



The RBR M79 rocket launcher is a reloadable, shoulder-fired 90-mm antitank rocket launcher. Visually, it resembles the French 89-mm Model F-1 STRIM rocket launcher. It is loaded by coupling a prepacked rocket and combustion chamber to the rear end of the launch tube, which is removed and discarded after firing, and another preloaded unit is then attached.

RECOGNITION FEATURES:

1. Adjustable shoulder rest.
2. Firing mechanism is a trigger-actuated magneto type.
3. Retractable foregrip.
4. Carrying sling attached.

TECHNICAL DATA:

1. Caliber: 90 mm
2. Weight: 10.7 kg (loaded)
3. Length, firing position: 1910 mm
4. Length, travel position: 1432 mm w/o cannister
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical
8. Sight location: top of tube
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 350 meters
12. Rate of fire: 5 rd/min
13. Night vision equipment: unknown
14. Penetration: 400-mm RHA

**105-MM RECOILLESS RIFLE, M65
(Yugoslavia)**



The 105-mm M65 recoilless rifle is a single-shot, breech-loaded weapon mounted on a two-wheel tripod carriage. It has a spotting rifle and is served by a crew of three to five. It resembles the US 75-mm recoilless rifle M20.

RECOGNITION FEATURES:

1. One-piece tube with a screwed-on breechring.
2. UB 12.7-mm machinegun mounted on right side.
2. Carriage has a fixed lunette on the rear leg and nonadjustable front legs.
3. Large traversing handwheel for rapid traversing.
4. Small shield on left side.

TECHNICAL DATA:

1. Caliber: 105 mm
2. Weight: 272 kg
3. Length, firing position: 4550 mm
4. Length, travel position: 4850 mm
5. Rifling: Yes
6. Breech mechanism type: interrupted screw
7. Sight type: telescopic
8. Sight location: left side
9. Carriage type: two-wheel tripod
10. Ammunition type: HEAT
11. Maximum effective range: 600 meters (moving)
12. Rate of fire: 6 rd/min
13. Night vision equipment: panoramic telescope with night lighting for indirect fire
14. Penetration: 330-mm RHA

120-MM ROCKET LAUNCHER, RBR HORNET
(Yugoslavia)



The Hornet is a single-shot, disposable, 120-mm antitank rocket launcher designed to defeat modern main battle tanks. The launch tube contains the firing mechanism and optical sight.

RECOGNITION FEATURES:

1. Protective foam end caps.
2. Fixed, vertical shoulder rest.
3. Handgrip rail behind trigger assembly.
4. Fixed iron sights on top of launch tube.

TECHNICAL DATA:

1. Caliber: 120 mm
2. Weight: 10 kg (firing); 11 kg (transport)
3. Length, firing position: 1300 mm
4. Length, travel position: 1400 mm
5. Rifling: None
6. Breech mechanism type: NA
7. Sight type: optical w/iron backup
8. Sight location: top of launcher
9. Carriage type: NA
10. Ammunition type: HEAT
11. Maximum effective range: 400 meters
12. Rate of fire: NA (disposable)
13. Night vision equipment: unknown
14. Penetration: >700-mm RHA